Name: 20220402\_H4 Date [YYYY-MM-DD]: 2022-04-02 Air temperature [°C]: −13.5

Altitude [m a.s.l.]: 175 Time [UTC]: 12:20 Wind speed [m/s]: 6.7

Lat/Lon [DD]: 77.0920/15.5925 Observer: Michal Laska Wind direction [deg]: 83

Slope aspect [deg]: 225 Comment: vicinity of AWS Sky condition [METAR]: FEW

Slope angle [deg]: 1.5 Snow depth [cm]: 99 Precipitation [METAR]: SN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Layer no.** | **Top**  **[cm]** | **Bottom**  **[cm]** | **Grain shape *F*** | **Grain size**  ***E* [mm]** | | **Hardness**  ***R*** | **Wetness**  ***θ*** | **Density**  **[kg/m3]** | **Depth**  **[cm]** | **Temp**  **[°C]** |
| **avg** | **max** |
| 1 | 0 | 8 | PPsd | 1.5 | 2.0 | 1 | D | 50 | 0 | −12.1 |
| 2 | 8 | 15 | DFdc | 0.5 | 1.0 | 2 | D | 140 | 5 | −11.2 |
| 3 | 15 | 26 | FCsf | 0.5 | 1.0 | 3 | D | 210 | 10 | −10.7 |
| 4 | 26 | 34 | FCso | 0.2 | 0.5 | 3 | D | 230 | 15 | −9.8 |
| 5 | 34 | 35 | IFil | — | — | 6 | — | 909 | 20 | −8.5 |
| 6 | 35 | 42 | FCso | 0.2 | 0.5 | 3 | D | 240 | 30 | −7.9 |
| 7 | 42 | 47 | FCxr | 0.5 | 1.0 | 3 | D | 360 | 40 | −7.4 |
| 8 | 47 | 59 | MFcr | — | — | 5.5 | — | 550 | 50 | −6.8 |
| 9 | 59 | 60.5 | IFil | — | — | 6 | — | 909 | 60 | −6.5 |
| 10 | 60.5 | 73 | FCxr/RGxf | 0.5 | 1.0 | 3 | D | 390 | 70 | −6.0 |
| 11 | 73 | 76 | DHcp | 1.0 | 2.0 | 1 | D | 200 | 80 | −5.7 |
| 12 | 76 | 78.5 | IFil | — | — | 6 | — | 909 | 90 | −5.5 |
| 13 | 78.5 | 85 | FCso | 1.0 | 2.0 | 4 | D | 430 | ~~100~~ | −5.3 |
| 14 | 85 | 92 | FCso | 1.5 | 2.5 | 4.5 | D | 450 | 110 |  |
| 15 | 92 | 99 | FCso/MFcr | 2.0 | 5.0 | 5 | D | 500 | 120 |  |
| 16 |  |  |  |  |  |  |  |  | 130 |  |
| 17 |  |  |  |  |  |  |  |  | 140 |  |
| 18 |  |  |  |  |  |  |  |  | 150 |  |
| 19 |  |  |  |  |  |  |  |  | 160 |  |
| 20 |  |  |  |  |  |  |  |  | 170 |  |
| 21 |  |  |  |  |  |  |  |  | 180 |  |
| 22 |  |  |  |  |  |  |  |  | 190 |  |
| 23 |  |  |  |  |  |  |  |  | 200 |  |
| 24 |  |  |  |  |  |  |  |  | 210 |  |
| 25 |  |  |  |  |  |  |  |  | 220 |  |
| 26 |  |  |  |  |  |  |  |  | 230 |  |
| 27 |  |  |  |  |  |  |  |  | 240 |  |
| 28 |  |  |  |  |  |  |  |  | 250 |  |
| 29 |  |  |  |  |  |  |  |  | 260 |  |
| 30 |  |  |  |  |  |  |  |  | 270 |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Layer no.** | **Top**  **[cm]** | **Bottom**  **[cm]** | **Grain shape *F*** | **Grain size**  ***E* [mm]** | | **Hardness**  ***R*** | **Wetness**  ***θ*** | **Density**  **[kg/m3]** | **Depth**  **[cm]** | **Temp**  **[°C]** |
| **avg** | **max** |
| 31 |  |  |  |  |  |  |  |  | 280 |  |
| 32 |  |  |  |  |  |  |  |  | 290 |  |
| 33 |  |  |  |  |  |  |  |  | 300 |  |
| 34 |  |  |  |  |  |  |  |  | 310 |  |
| 35 |  |  |  |  |  |  |  |  | 320 |  |
| 36 |  |  |  |  |  |  |  |  | 330 |  |
| 37 |  |  |  |  |  |  |  |  | 340 |  |
| 38 |  |  |  |  |  |  |  |  | 350 |  |
| 39 |  |  |  |  |  |  |  |  | 360 |  |
| 40 |  |  |  |  |  |  |  |  | 370 |  |
| 41 |  |  |  |  |  |  |  |  | 380 |  |
| 42 |  |  |  |  |  |  |  |  | 390 |  |
| 43 |  |  |  |  |  |  |  |  | 400 |  |
| 44 |  |  |  |  |  |  |  |  | 410 |  |
| 45 |  |  |  |  |  |  |  |  | 420 |  |
| 46 |  |  |  |  |  |  |  |  | 430 |  |
| 47 |  |  |  |  |  |  |  |  | 440 |  |
| 48 |  |  |  |  |  |  |  |  | 450 |  |
| 49 |  |  |  |  |  |  |  |  |  |  |
| 50 |  |  |  |  |  |  |  |  |  |  |

Remarks:

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